

6455

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

APR 14 1936

Acc. No. _____

Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

State: Washington.

DESCRIPTIVE REPORT

Topographic

~~Hydrographic~~

} Sheet No. X - 1935

LOCALITY

Puget Sound

Nisqually Reach

1935.

CHIEF OF PARTY

Jack Senior

U. S. GOVERNMENT PRINTING OFFICE: 1933

6455

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. X - 1935

REGISTER NO.

State Washington

General locality Puget Sound

Locality Nisqually Reach (S.W. Part)

Scale 1:10,000 Date of survey September, 1935.

Vessel U.S.C. & G.S.S. EXPLORER

Chief of Party Jack Senior

Surveyed by Edwin C. Baum

Inked by Edwin C. Baum

Heights in feet above M.H.W. to ground ~~to top of trees~~

~~Contour~~, Approximate contour, ~~horizontal~~ interval 50 feet

Instructions dated March 29, 1934.

Remarks:

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET "X",

PUGET SOUND - WASHINGTON

1 9 3 5

- o -

Jack Senior, Chief of Party, C. & G. S.

DESCRIPTIVE REPORT
TO ACCOMPANY TOPOGRAPHIC SHEET "X - 1935"

PUGET SOUND - WASHINGTON.

AUTHORITY:

Survey was executed in accordance with Director's Instructions dated March 29, 1934, Project H. T. - 171.

LIMITS:

This survey lies on the south shore of Nisqually Reach and extends from Puget southeastward to Nisqually Head.

GENERAL DESCRIPTION:

The entire shore line is irregular in appearance, being broken by numerous small sloughs and steep dirt eroding bluffs of varying heights.

Irregular shaped hills, giving away to indeterminate valleys, constitute the character of the topography.

The entire area is heavily wooded with both deciduous and evergreen trees.

The sloughs previously mentioned are mud bottom and run dry at certain stages of the tide.

CONTROL:

Triangulation control points executed during the seasons of 1924 and 1935, and based on North American 1927 datum were used.

SURVEYING METHODS:

Standard planetable survey methods were used. One cut was obtained on each topographic signal from triangulation station "AND - 1924", on north shore of Reach. Other cuts were made from stations on the south shore, when visibility permitted. Traverses were then run between triangulation stations. The traversed topographic station points in each instance fell on the cut, if only one, or at intersection of cuts where two or more were obtained. This method constantly checks the topography.

No error resulted.

All off-lying features were rodded in.

CONTOURS:

An auxiliary projection encompassing the area of this sheet and parts of sheet "V - 1935" was built. The shoreline and signals were transferred to projection from both sheets. The contours could then be executed in the usual manner. Contours were transferred to this sheet as shown.

See Descriptive Report "C - 1935", paragraph under Contours, for further explanation.

DOCKS:

One dock, the Giant Powder Company's dock, was found in this area. This dock is in excellent condition and is in use at present.

A sign marked "Giant Powder Co. Dock, High Explosives - Keep Off", located at each end of dock is self explanatory.

The structure shown at topographic signal "MUD" is the remains of a logging dock. This was used, only to dump logs from, and not for boat docking.

COMPARISON WITH CHART NO. 6460:

Except for the addition of Giant Powder Company's dock and small dock at topographic signal "MUD" no changes are noted.

The chart shows no contours in this area, prohibiting a comparison of same.

TOPOGRAPHIC SIGNALS:

Except as noted on sheet, all topographic signals shown outside of highwater line are targets attached to stumps, fallen trees, and etc., and are not of a permanent nature.

GEOGRAPHIC NAMES:

Nisqually Reach - well established name.

Nisqually Head - well established name.

LOW WATER LINE:

The low water line was transferred from smooth hydrographic sheets.

Respectfully submitted,



Edwin C. Baum,
Jr. H. & G. Engr., C. & G. S.,
U.S.C. & G.S.S. EXPLORER.

APPROVED AND FORWARDED:



Jack Senior,
Commanding Officer,
U.S.C. & G.S.S. EXPLORER.

Remarks

Decisions

1	the name "Nissagally" verified in Rand McNally, U.S.G. Geog. Names, Dict. of Wash. Names, & USBEN	<u>Nissagally</u>
2		4
3	change to "Wks." to conform to other similar names in vicinity.	
4	a discontinued P.O. Not shown on Rand McNally Not shown on this sheet.	
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		

GEOGRAPHIC NAMES

Survey No. 6455

Name on Survey

	A	B	C	D	E	F	G	H	K	
<u>Nisqually Reach</u>	*	✓		✓		✓	✓	✓	✓	1
<u>Nisqually Head</u>	*	✓		✓		✓	✓	✓	✓	2
<u>Giant Powder</u> ^{Wks whf} _{Dr. Doeh}				✓					*	3
<u>Ragert</u> (settlement)	✓									4
										5
										6
										7
										8
										9
										10
										11
										12
										13
										14
										15
										16
										17
										18
										19
										20
										21
										22
										23
										24
										25
										26
										27

Names underlined in red approved
by ERN on 6/11/36

MEMORANDUM

IMMEDIATE ATTENTION

~~SURVEY~~
~~DESCRIPTIVE REPORT~~
~~PHOTOSTAT OF~~

} ~~No. H~~
 } No. T **6455**

{ received APR 17 1936
 { registered MAY 18 1936
 { verified
 { reviewed
 { approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

ROUTE		Initial	Attention called to
20			
22			
24			
25			
26			
30			
40			
62			
63			
82			
83			
88			
90			

RETURN TO

82	
----	--

C. K. Green

REVIEW OF TOPOGRAPHIC SURVEY No. 6455

Title (Par. 56) *Nisqually Reach, Washington*Chief of Party *Jack Senior* Surveyed by *E.C. Baum* Inked by *E.C. Baum*Ship *Explorer* Instructions dated *Mar. 29, 1934* Surveyed in *Sept. 1935*

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.) ✓
2. The character and scope of the survey satisfy the instructions. ✓
3. The control and closures of traverses were adequate. (Par. 12, 29.)
No closures listed
4. The amount of vertical control that the Manual specifies for -contours-~~formlines~~ was accomplished. (Par. 18, 19, 20, 21, 22, 23.) ✓
See also Descriptive Report "Contours" for T6435
5. The delineation of -contours-~~formlines~~ is satisfactory. (Par. 49, 50.) ✓
6. There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.) *None Submitted*
7. High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.) ✓
8. The representation of low water lines, ~~reefs, coral reefs~~ and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.) ✓
9. Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.)
See Reverse Side
10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. The tree line was shown on mountains. (Par. 16g.)
Trees cover area of this survey

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

Paragraph 9

T1672 (1878)

This survey is on a scale of 1:20,000 whereas the present survey is on 1:10,000. Due to this difference in scale the present survey is much more in detail than T1672. Rocks shown on T1672 are well within the L. W. line on the present survey. Several docks and piling have changed the detail on the present survey over T1672.

T1672-b (1909)

This revision survey of T1672 does not show any additional detail over T1672 not incorporated in the present survey.

T6455 supersedes T1672-b in part.

A comparison with Chart 6460 showed no important changes in detail.

13. The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) ✓
14. ~~The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.~~
15. The descriptions of recoverable stations and references to shore line were accomplished on Form 524. (Par. 29, 30, 57, 67 except scaling of DMs and DPs, 68.) *None Submitted*
16. A list of landmarks for charts was furnished on Form 567 and plotting checked. (Par. 16d, e, 60.) *None Submitted*
17. The magnetic meridian was shown and declination was checked. (Par. 17, 52.) *Declination checked value on chart.
No note of having checked declination*
18. The geographic datum of the sheet is *N.A. 1927 (Adjusted)* and the reference station is correctly noted. (Par. 34.) ✓
19. Junctions with contemporary surveys are adequate.
*Joins T 6454 on the East.
Seasons work ended on West end of this survey*
20. Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.) ✓
21. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.) ✓
22. No additional surveying is recommended. ✓
23. The Chief of Party inspected and approved the sheet and the descriptive report after review by ✓
24. Remarks:

Reviewed in office by

Chas. R. Bush Jr. June 30, 1936

Examined and approved:

C. H. Green.
Chief, Section of Field Records*L. O. Robert.*
Chief, Division of Charts*Fred. L. Peacock*
Chief, Section of Field Work*G. H. Hude*
Chief, Division of Hyd. and Top.